



Replacement Sheet

Fig. 9

(A) DNA sequence: SEQ ID NO. 11

1 gtggcgagca gga~~aaa~~**atgg** cggccgggtt caaaactgtg gaaccgctgg agtattacag
61 gagatttctg aaagaaaact gccgtccaga tggaagagaa ctgggtgaat tcagaaccac
121 aactgtcaac ataggttcga tcagtacagc ggatggctct gctctagtga agctggggaa
181 caccacagtc atttgtggag ttaaagcaga atttcagca ccaccagtag atgcccctga
241 tagaggatat gtcgtcccta atgtggacct accaccgctg tgttcacga ggtttcggac
301 tggacctcct ggagaagagg ctcaagtaac cagccagttc attgcagatg tcattgagaa
361 ctcacacata attaagaaag aggacttatg catttctcca gggaagcttg cttgggttct
421 atactgtgac cttatttgcc tagactacga tgggaacatt ttggatgcct gcacatttgc
481 tttgttagca gctttaaaga atgtacagtt gcctgaagtt actataaatg aagaaactgc
541 ttttagcgaa gtcaatttaa agaagaaaag ttatttgaat gttagagcaa acccagttgc
601 tacttcattt gctgtgtttg atgacacttt gctgatagtc gatcctaccg gggaggaggg
661 gcacctgtc cacaggaacc ttaaccgtag taatggacga ggaaggcaag ctgtgctgtc
721 ttcacaagcc aggtgggagt gggctgctgg agctaaactt caggactgca tgagtcgagc
781 agtaacgaga cacaaagaag tgagcaaact actggatgaa gtaattcaga gcatgaaaca
841 caaatgaaca gacgccacga ttgtaaaaca gctgtaaaaa ttgtatttgt tacactgtgc
901 acaggccttt tatactaaat aaat~~ac~~ctaa ttacattctt tgaaaaaaaa aaaaaaaaaa
961 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa
Start codon and stop codon are indicated by bold letters

(B) Protein sequence: SEQ ID NO. 12

MAAGFKTVEPLEYYRRFLKENC~~R~~PDGRELGEFRITTTVNIGSISTADGSALVKLGNTTVICGVKA~~E~~FAAP
PVDAPDRGYVVPNV~~D~~LPPLCSSRFR~~T~~GPPGEEAQVTSQFIADV~~I~~ENSHIIKKEDLCISPGKLAWVLYCDL
ICLDYDGNILD~~A~~CTFALLAALKNVQLPEVTINEETALAEVNLKKSYLNVRANPVATSF~~A~~VFDDTLIV
DPTGEEGHPVHRNLNRSNGRGRQAVLSSQARWEWAAGAKLQDCMSRAVTRHKEVSKLLDEVIQSM
KHK

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Fig.9 contd.

(c) open reading frame: SEQ ID NO:13

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1 gtggcgagcaggaaaa
17 atggcgggccgggttcaaaactgtggaaccgctggagtattacagg
  M A A G F K T V E P L E Y Y R
62 agatttctgaaagaaaactgccgtccagatggaagagaacttgggt
  R F L K E N C R P D G R E L G
107 gaattcagaaccacaactgtcaacatagggttcgatcagtacagcg
  E F R T T T V N I G S I S T A
152 gatggctctgctctagtgaagctggggaacaccacagtcatttgt
  D G S A L V K L G N T T V I C
197 ggagttaaagcagaatttgcagcaccaccagtagatgccctgat
  G V K A E F A A P P V D A P D
242 agaggatatgtcgtccctaattgtggacctaccaccgctgtgttca
  R G Y V V P N V D L P P L C S
287 tcgaggtttcggactggacctcctggagaagaggctcaagtaacc
  S R F R T G P P G E E A Q V T
332 agccagttcattgcagatgtcattgagaactcacacataattaag
  S Q F I A D V I E N S H I I K
377 aaagaggacttatgcatttctccagggaaagcttgcttgggttcta
  K E D L C I S P G K L A W V L
422 tactgtgaccttatttgcctagactacgatgggaacattttggat
  Y C D L I C L D Y D G N I L D
467 gcctgcacatttgctttgtagcagctttaagaatgtacagttg
  A C T F A L L A A L K N V Q L
512 cctgaagttactataaatgaagaaactgcttttagcggaagtcaat
  P E V T I N E E T A L A E V N
557 ttaaagaagaaaagttatttgaatgtagagcaaaccagttgct
  L K K K S Y L N V R A N P V A
602 acttcatttgctgtgtttgatgacactttgctgatagtcgacct
  T S F A V F D D T L L I V D P
647 accggggaggaggggcaccctgtccacaggaaccttaaccgtagt
  T G E E G H P V H R N L N R S
692 aatggacgaggaaggcaagctgtgctgtcttcacaagccaggtgg
  N G R G R Q A V L S S Q A R W
737 gagtgggctgctggagctaaacttcaggactgcatgagtcgagca
  E W A A G A K L Q D C M S R A
782 gtaacgagacacaaagaagtgaagaaactactggatgaagtaatt
  V T R H K E V S K L L D E V I
827 cagagcatgaaacacaaatgaacagacgccacgattgtaaaacag
  Q S M K H K *
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Fig. 9(C)contd.

[illegible]